



MATERIALS RESEARCH SCIENTISTS RECEIVE RECOGNITION

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Payoff

The Engineering and Science Awards, presented by the Engineering and Science Foundation/Affiliates Council of Dayton, acknowledged the role of research within the Air Force Research Laboratory's broad technology spectrum. Their selection enhances the Laboratory's reputation as a world leader in materials research and development.

Accomplishment

The Engineering and Science Awards, presented annually by the Engineering and Science Foundation/Affiliates Societies Council of Dayton OH, honor outstanding Dayton area engineers and scientists for significant achievements in their professionalism. Dr. Walter M. Griffith and Dr. Allan P. Katz of the Materials and Manufacturing Directorate were among the 1998 winners recognized for technical leadership and scientific achievements.

Background

Dr. Griffith was recognized for his role in the development of new materials technologies and processes for the Air Force and the coordination of research and development efforts, such as intelligent processing of materials, with other military services. His research and leadership in the development of a new class of aluminum alloy resulted in the commercialization of alloy 7090, 7091 and 7093 by Alcoa and of 7065 by Kaiser. His personal research also led to the development of a new class of dispersion-strengthened aluminum alloys capable of withstanding service temperatures in excess of 550°F (300°F higher than conventional alloys). Dr. Katz was recognized for his research and leadership in the development and application of ceramic fibers and ceramic matrix composites (CMC) for aerospace systems. His management of a landmark \$30 million DARPA-funded program led to the development of new silicon-based fibers and polymer-derived CMC technologies. His participation as a technological lead in the formation of a government/industry consortium to develop advanced fibers for ceramic and metal matrix composites, led to the establishment of a viable domestic fiber vendor base. Recognition of Dr. Griffith and Dr. Katz continues a tradition of excellence whereby 15 percent of the total of 284 researchers and technical leaders honored by the Dayton Affiliates Council since 1971 have been selected from the Directorate.